# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/18/2016 10/18/2016	Tariq Chechi

LM Start		Rating **	Α	Issue No.		12		
LM End		Issue Type +	Ma	Location *	n* WS			
Category	Earthen Levee					le/Longitude		
Calegory				Start		End		
Item		s & Maintena	nce		0		0	
item	Manuals			0		0		
DWR ID	DWR ID DWR_RD0070_01_f _ 2015_12							
		Comn	nent Cod	de				
		1	0	1				
		Inspecto	or Comm	nent				
The LMA h	nas the O8	M manuals.						

No Photos

LM Start		Rating **	Α	Issue No.		13		
LM End		Issue Type +	WS					
Category	Earthen L	evee	GPS La	atitud	le/Longitude			
Category				Start		End		
Item		y Supplies &			0		0	
пеш	Equipmen	nt			0		0	
DWR ID	DWR_RD0	070_01_s _ 201	3_13					
		Comn	nent Cod	de				
		Inspecto	or Comm	nent				
The LMA h	nas adequa	ate flood fight	supplies	and equip	ment	t.		

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type En: Enforcement

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

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Unit No. 01 Sutter Bypass	Right	7.92	10/18/2016 10/18/2016	Tariq Chechi

LM Start		Rating **	Α	Issue No.		14	
LM End		Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atituc	le/Longitude	
Calegory				Start		End	
Item	Flood Pre	paredness &	Training		0		0
item					0		0
DWR ID	DWR_RD0	070_01_s _ 201	3_14				
		Comn	nent Coc	le			
		Inspecto	or Comm	ent			
The LMA o	The LMA completed flood fight training in 2014.						

No Photos

LM Start	1.77	<b>1.77</b> Rating ** M				32	
LM End	1.77	Issue Type +	Ma	Location *		LS	
Category	Earthen Levee				GPS Latitude/Longitude		
Calegory				Start		End	
Item	Animal Co	ontrol		39.1512	32°	39.151282°	
item				-121.8558	18°	-121.855818°	
DWR ID	DWR_RD0	070_01_f _ 201	6_32				
		Comn	nent Coo	de			

A1: Exterminate rodents and backfill and compact or grout burrows.

#### Inspector Comment



Photo 1 of 1: FA\_2016\_RD0070\_29\_32\_20161028\_00060.jpg

View of the rodent holes along the waterside slope.

LM Start	3.72	Rating **	М	Issue No.	29		
LM End	3.72	Issue Type +	Ма	Location *		WS	
Category	Earthen Levee				GPS Latitude/Longitude		
Category				Start		End	
Item	Slope Sta	bility		39.1581	83 °	39.158183°	
пеш				-121.8883	97°	-121.888397°	
DWR ID	DWR_RD0	070_01_f _ 201	6_29				
	Comment Code						

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

#### Inspector Comment



View of the ruts along the waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/18/2016 10/18/2016	Tariq Chechi

LM Start	4.60	Rating **	С	Issue No.		38			
LM End	4.60	Issue Type + Ma Location * WS							
Category	Earthen L	evee	GPS La	atitud	e/Longitude				
Calegory				Start		End			
Item	Encroachi	ments		39.1675	97°	39.167597°			
пеш				-121.8993	63°	-121.899363 °			
DWR ID DWR_RD0070_01_f _ 2015_38									
		Comn	nent Cod	de					
PR : Pruni	ngs								
			•						
		Inspecto	or Comn	nent					
Remove th	ne prunings	s from the wat	erside s	lope.					

No Photos

LM Start	5.77	Rating **	С	Issue No.		28				
LM End	5.77	Issue Type +	Ma	Location *	I.S.					
LIVI LIIU		•••	IVIG	200011011						
Category	Earthen L	evee		GPS La	atitud	e/Longitude				
Calegory				Start		End				
Item	Vegetatio	n		39.1818	78°	39.181878°				
пеш				-121.9087	18°	-121.908718°				
DWR ID	DWR_RD0	070_01_s _ 201	6_28							
		Comn	nent Cod	de						
V7 : Trees	/ Woody \	/egetation								
		Inspecto	or Comm	nent						
Remove la	rge tree se	ections from tl	he lands	ide toe.						

No Photos

LS: Land Side N/A: Not Applicable WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/18/2016 10/18/2016	Tariq Chechi

LM Start	6.18	Rating **	М	Issue No.		6	
LM End	6.18 Issue Type + Ma Location * WS						
Category	Earthen L	GPS La	atitud	e/Longitude			
Calegory				Start		End	
Item	Slope Sta	bility		39.1874	81°	39.187481 °	
пеш				-121.9108	52°	-121.910852 °	
DWR ID	DWR_RD0	070_01_s _ 201	2_6				
		Comn	nent Cod	de			
S3 : Repai access wh		slope damag le.	ed by ve	ehicle traffic	and	I prevent	
		Inspecto	or Comm	nent			

LM Start	6.18	Rating **	М	Issue No.	6 (cont)
LM End	6.18	Issue Type +	Ma	Location *	WS



View of vehicle erosion along the waterside slope.

Photo 2 of 2: FA\_2016\_RD0070\_29\_6\_20160823\_00002.jpg



View of the vehicle erosion along the waterside slope.

LM Start	7.16	Rating **	М	Issue No.		31		
LM End	7.16	Issue Type +	Ма	Location *	Location * WS			
Category	Earthen L	evee		GPS L	atitud	e/Longitude		
Calegory				Start		End		
Item	Encroach	ments		39.1961	57°	39.196157°		
item				-121.9226	888°	-121.922688°		
DWR ID	DWR_RD0	070_01_f _ 201	6_31					
		Comn	nent Cod	de				
TR : Tree	or limb							
		Inspecto	or Comm	nent				
Remove the fallen tree.								



View of a fallen tree along the waterside toe.

* Location	** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement	
Thursday, December 08, 2016 15:19		FINAL DATA		Page 4 of 4

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/18/2016 10/18/2016	Tariq Chechi

l						
LM Start	1.40	Rating **	М	Issue No.		48
	1.40	Issue Type +	Ma	Location *		WS
LM End		•••	ivia			
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Slope Sta	bility		39.1783	69°	39.178369°
item				-121.9426	657°	-121.942657°
DWR ID DWR_RD0070_02_f _ 2016_48						
		Comn	nent Cod	de		
S3 : Repai access wh		slope damag le.	jed by ve	ehicle traffic	anc	l prevent
		Inspecto	or Comm	nent		



View of the ruts along the waterside slope.

LM Start	2.40	Rating **	М	Issue No.		49
LM End	2.40	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		39.1654	62°	39.165462°
пеш				-121.9352	44 °	-121.935244°
DWR ID	DWR_RD0	070_02_f _ 201	6_49			
		Comn	nent Cod	de		
T1 : Trim t	rees to at l	east five feet	above g	round level.		
Inspector Comment						

No Photos

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

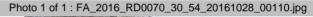
# **Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/18/2016 10/18/2016	Tariq Chechi

LM Start	4.31	М	Issue No.		51		
LM End	4.31	Issue Type +	Ma	Location *		LS	
Cotogony	Earthen L	evee		GPS La	titud	e/Longitude	
Category				Start		End	
Item	Trim / Thi	n Trees		39.1443	05 °	39.144305°	
пеш				-121.9174	00°	-121.917400°	
DWR ID	DWR_RD0	070_02_f _ 201	6_51			·	
		Comn	nent Cod	de			
T1: Trim t	rees to at l	east five feet	above g	round level.			
	Inspector Comment						

No Photos

LM Start	4.95	Rating **	М	Issue No.		54
LM End	4.95	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thin Trees				)16°	39.142016°
item				-121.926214°		-121.926214°
DWR ID	DWR_RD0	070_02_f _ 201	6_54			
		Comn	nent Cod	de		
T1 : Trim t	rees to at l	east five feet	above g	round level		
Inspector Comment						





View of the trees blocking visibility.

LM Start	7.74	Rating **	N	Issue No.	59		
LM End	7.74	Issue Type +	Ma	Location *	LS		
Category	Catagonia Earthen Levee					de/Longitude	
Category	Category					End	
Item	Trim / Thi	Trim / Thin Trees			° 800	39.124503	0
пеш				-121.9152	52°	-121.915252	0
DWR ID	DWR_RD0	070_02_f _ 201	6_59				
		Comn	nent Coo	de			
T5 : Tree s	T5 : Tree stumps.						
Inspector Comment							

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/18/2016 10/18/2016	Tariq Chechi

LM Start	8.10	Rating **	М	Issue No.		2	
LM End	8.23	Issue Type +	Ma	Location *		WS	
Category	Supplemental			GPS Latitude/Longitude			
Calegory	догу			Start		End	
Item	2015 USACE Erosion Survey,			39.1224	59°	39.120684°	
пеш	DRAFT			-121.9101	21 °	-121.909152°	
DWR ID DWR_RD0070_02_s _ 2016_2						·	
Comment Code							

#### Inspector Comment

1997 - Critical Site - Erosion of cobble site on outside of a bend. Failure caused by erosion of a material from behind the cobbles and cobbles rolling down the slope. Failure is just above the toe levee. Some repairs had been done at the upstream end. 2004 - Some minor new erosion at the top of the berm. 2005 - Trees look okay and the downstream end has some new rock repair. Site is no longer critical. 2006 - No longer critical, some repairs. 2015: No observed changes. [2015 Site ID: SAC\_130-0\_L]



USACE 2013 Photo #1

LM Start	8.10	Rating **	М	Issue No.		60	
LM End	8.10	Issue Type +	Ma	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Category	alegory			Start		End	
Trim / Thin Trees			39.122568°		39.122568°		
Rem			-121.9097	23 °	-121.909723°		
DWR ID DWR_RD0070_02_f _ 2016_60							
Comment Code							
T1 . Trim trops to at least five fact above ground level							

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

N : Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/18/2016 10/18/2016	Tariq Chechi

LM Start	9.28	Rating **	М	Issue No.		61
LM End	9.28	Issue Type +	Ma	Location *	LS	
Earthen Levee				GPS L	atituc	le/Longitude
Category				Start		End
Item	Animal Co	ontrol		39.1072	285°	39.107285°
item		-121.900753 °		-121.900753°		
DWR ID DWR_RD0070_02_f _ 2016_61						
		Comn	nent Cod	de		
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						



View of the rodent holes along the landside slope.

LM Start	9.69	Rating **	N	Issue No.		63
LM End	9.69	Issue Type +	Ma	Location *	LS	
Catagonia Earthen Levee			GPS Latitude/Longitude			
Category			Start		End	
Item	Trim / Thin Trees			39.1013	43°	39.101343°
item	nem			-121.8993	81 °	-121.899381 °
DWR ID DWR_RD0070_02_f _ 2016_63						
Comment Code						

T5 : Tree stumps.

Inspector Comment

No Photos

LM Start	10.64	Rating **	M	Issue No.		6	
LM End	10.64	Issue Type +	Ma	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Category			Start		End		
Slope Stability			39.090300°		39.090300	0	
пеш	item			-121.8931	02°	-121.893102	0
DWR ID DWR_RD0070_02_s _ 2012_6							
Comment Code							

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

# Photo 1 of 1 : FA\_2016\_RD0070\_30\_6\_20160823\_00003.jpg



View of vehicle erosion along landside slope.

\* Location

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

\*\* Rating

A : Acceptable N : Not Inspected/Rated
M : Maintenance Deficiancy
Ob : Design & System Obsolescence
U : Unacceptable A/W : Acceptable but Monitor & Maintain
En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/18/2016 10/18/2016	Tariq Chechi

LM Start	14.14	Rating **	М	Issue No.		66	
LM End	14.14	Issue Type +	Ма	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Slope Stability			39.0698	349°	39.069849°	
пеш	tem				267°	67° -121.857267	
DWR ID DWR_RD0070_02_f _ 2016_66							
		Comn	nent Cod	de			
S1 : Repai	ir slope ins	tability.					
Inspector Comment							

# Photo 1 of 1: FA\_2016\_RD0070\_30\_66\_20161028\_00118.jpg

View of slope instability along the landside slope.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement